

Year 1/Level 1 (23 hrs) Sept/Jan/May	Year 1/Level 2 (23 hrs) Sept/Jan/May	Year 2/Level 3 (23 hrs) Sept/Jan/May	Year 2/Level 4 (22 hrs) Sept/Jan/May	Year 3/Level 5 (24 hrs) Sept/Jan/May	Year 3/Level 6 (23 hrs) Sept/Jan/May
ETY155 (3/2) Electricity	ECR255 (2/2) AC Circuit Principles Prerequisite ETY155, LIN155 Corequisite MTH255	MCO455 (2/2) Microcontroller Concepts Prerequisite PRG255 Corequisite DGS266	TEC400 (3/0) Technical Communications Prerequisite COM101 or COM111	ETD555 (2/2) Engineering Technology and Design Prerequisite ECP455	TPJ655 (2/2) Technical Project Prerequisite MCO556, TEC400, ETD555
COM101 (3/0) or COM111 (6/0) Communicating Across Contexts	ELD255 (2/2) Semiconductor Devices Prerequisite LIN155, ETY155	COM455 (2/2) Communications Fundamentals Prerequisite ECR255, ELD255, MTH255	ECR353 (2/2) Electronic Circuits Prerequisite COM455	TRN553 (2/2) Transmission Theory Prerequisite ECR353	MCO556 (2/2) ARM Microcontroller for Real-Time Embedded Applications Prerequisite ETD555, MCO455
LIN155 (1/2) Electronic Lab Instrumentation and Techniques	MIR355 (2/2) Microcomputer Repair Prerequisite ICO155	DGS266 (2/2) Digital Electronics and Introduction to PLC Prerequisite ETY155 Corequisite MCO455	CSF453 (2/2) Control Systems Fundamentals Prerequisite DGS266, PHY354	DGS355 (2/2) Digital Systems Prerequisite DGS266	AMT453 (4/0) Advanced Mathematics Prerequisite MTH356
PRG155 (2/2) Programming Fundamentals Using 'C'	PRG255 (2/2) Advanced Programming Using "C" Prerequisite PRG155, ICO155	NET455 (2/2) Networking Essentials Prerequisite MIR355 OR MEC355 (2/2) Mechatronics: Pneumatics and Hydraulic Prerequisite ELD225, ECR255	ECP455 (2/1) Engineering Codes and Practices Prerequisite DGS266	COM556 (2/2) Wireless and Satellite Communications Systems Prerequisite COM455	Professional Option*
MTH147 (6/0) Mathematics with Foundations	MTH255 (4/0) Mathematics Prerequisite MTH147 Corequisite ECR255	PHY354 (2/2) Physics for Electronics Prerequisite MTH255	MTH356 (4/0) Mathematics – Introductory Calculus and Statistics Prerequisite MTH255	ELM453 (2/2) Motors and Transformers Prerequisite ECR255	Professional Option*
ICO155 (2/0) Introduction to Computers	IPS255 (3/0) Interpersonal Skills in the Engineering Workplace Prerequisite LIN155	General Education Elective (3/0)	Professional Option*	Professional Option*	General Education Elective (3/0)